The invention claimed is:

1   1. A method comprising:

2   receiving a request from an originating device for a particular personalized

3   Web view, the request indicating the type of the originating device;

4   retrieving a stored specification of the Web view;

5   accessing a particular Web page indicated in the specification of the Web

6   view;

7   extracting in accordance with the specification at least one component on

8   the accessed Web page that is relevant for the type of device indicated by the

9   request and is associated in the specification with that type of device; and

10   returning the extracted component to the originating device.

1   2. The method of claim 1 wherein accessing a particular Web page

2   comprises performing a series of navigation steps recorded in the specification

3   from a first Web page to a final Web page from which the component is

4   extracted.

1   3. The method of claim 2 further comprising receiving from the Web client

2   one or more parameters that are associated with one or more of the navigation

3   steps, and inserting each received parameter in its associated navigation step as

4   that navigation step is performed.

1   4. The method of claim 1 wherein the originating client is a Web client.

1   5. The method of claim 4 further comprising transcoding the extracted

2   component into a language that is supported by the Web client.

1   6. The method of claim 1 wherein the specification includes at least one

2   XPath expression for extracting the component.

1   7. The method of claim 1 wherein the originating client is a telephone.

1   8. The method of claim 7 further comprising transcoding the extracted

2   component into a voice-response system format.

1   9. The method of claim 8 wherein the voice-response system format is

2   VoiceXML.

1   10. The method of claim 1 wherein the originating device is an electronic

2   device that communicates through a protocol supported by the electronic device.

1   11. The method of claim 10 further comprising transcoding the extracted

2   component into the protocol supported by the electronic device.

1   12. A method of creating a personalized Web view comprising:

2   recording one or more navigation steps to reach a final Web page

3   containing at least one component of interest;

4   generating at least one extraction expression that extracts from the final

5   Web page the component of interest and which is relevant for presentation on at

6   least one specific type of device; and

7   saving a specification that includes the one or more navigation steps to

8   reach the final Web page and the one or more extraction expressions, the

9   specification including an association between the specific type of device and the

10   one or more extraction expression.

1   13. The method of claim 12 wherein recording the one or more navigation

2   steps comprises recording a series a navigation steps starting at a first Web

3   page and ending at a final Web page on which the component of interest is

4   located.

1   14. The method of claim 12 further comprising uploading the specification

2   to a server for later replay through the specific type of device.

1   15. The method of claim 13 wherein each of the one or more navigation

2   steps comprise one or more of form fill-outs, button-clicks, links, selection from

3   pull-down lists, or any action that exists in the traversed Web page.

1   16. The method of claim 12 wherein the extraction expression is an

2   XPath expression.

1   17. The method of claim 12 wherein the extraction expression is

2   generated by a GUI.

1   18. The method of claim 14 wherein the specific type of device is a

2   telephonic device and annotations are associated in the specification with the

3   extraction expression for the selected component for guiding a transcoder in

4   generating an appropriate voice-response system format signal when a user

5   later accesses the server and replays the specification.

1   19. A memory for storing a specification of a personalized Web view

2   comprising:

3   a data structure stored in the memory, said data structure including

4   information for automatically accessing a particular Web page that has been

5   selected by a user from essentially any Web server, information for extracting at

6   least one user-selected component on the accessed page that is relevant for

7   display on at least one specific type of device; and an association between the

8   specific type of device and the extracted component.

1   20. The memory of claim 19 wherein the information for automatically

2   accessing a particular Web page comprises information for performing a series

3   of navigation steps from a first Web page to a final Web page from which the

4   user-selected component is extracted.

1   21. The memory of claim 19 wherein the information for extracting the

2   user-selected component is in the form of an XPath expression.

1   22. A computer readable media tangibly embodying a program of

2   instructions executable by a computer to perform a method of executing a

3   personalized Web view, the method comprising:

4   receiving a request by a user from an originating device for a particular

5   personalized Web view, the request indicating the type of the originating device;

6   retrieving a stored specification of the Web view;

7   accessing a particular Web page indicated in the specification of the Web

8   view; and

9   extracting in accordance with the specification at least one component on

10   the accessed Web page that is relevant for the type of device indicated by the

11   request and is associated in the specification with that type of device.

1   23. The media of claim 22 wherein in the method accessing a particular

2   Web page comprises performing a series of navigation steps recorded in the

3   specification from a first Web page to a final Web page from which the

4   component is extracted.

1   24. The media of claim 23 wherein one or more parameters are

2   associated with one or more of the navigation steps, method further comprising

3   receiving from the user the one or more parameters, and inserting each received

4   parameter in its associated navigation step as that navigation step is performed.

1   25. The media of claim 22 wherein the method further comprises

2   transcoding the extracted component into a language that is supported by the

3   Web client.

1   26. The media of claim 22 wherein in the method the specification

2   includes at least one XPath expression for extracting the component.

1   27. The media of claim 22 wherein the method further comprises

2   transcoding the extracted component into a voice-response system format.

1   28. Apparatus comprising:

2   means for receiving a request from an originating device for a particular

3   personalized Web view, the request indicating the type of the originating device;

4   means for retrieving a stored specification of the Web view;

5   means for accessing a particular Web page indicated in the specification

6   of the Web view;

7   and means for extracting in accordance with the specification at least one

8   component on the accessed Web page that is relevant for the type of device

9   indicated by the request and is associated in the specification with that type of

10   device.

1   29. The apparatus of claim 28 wherein the means for accessing a

2   particular Web page performs a series of navigation steps recorded in the

3   specification from a first Web page to a final Web page from which the

4   component is extracted.

1   30. The apparatus of claim 29 wherein one or more parameters are

2   associated with one or more of the navigation steps, the accessing means

3   inserting each parameter received by a user in its associated navigation step as

4   that navigation step is performed.

1   31. The apparatus of claim 28 wherein the originating client is a Web

2   client.

1   32. The apparatus of claim 31 further comprising means for transcoding

2   the extracted component into a language that is supported by the Web client.

1   33. The apparatus of claim 28 wherein the extracting means uses an

2   XPath expression in the specification for extracting the component.

1   34. The apparatus of claim 28 wherein the originating client is a

2   telephone and the apparatus further comprises means for transcoding the

3   extracted component into a voice-response system format.

1   35. The apparatus of claim 34 wherein the voice-response system format

2   is VoiceXML.

1   36. The apparatus of claim 28 wherein the originating device is an

2   electronic device that communicates through a protocol supported by the

3   electronic device and the apparatus further comprises means for transcoding the

4   extracted component into the protocol.